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**Mishra**

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(54) **PLATELET RICH PLASMA FORMULATIONS  
FOR CARDIAC TREATMENTS**

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(57) **ABSTRACT**

Compositions for platelet rich plasma (PRP) are provided. Generally, these compositions comprise a higher concentration of platelets and white blood cells than whole blood. The concentrations of the platelets and/or the white blood cells may be two to eight times the respective concentrations in whole blood. These compositions may have depressed concentrations of red blood cells and hemoglobin. In some variations, the compositions may be useful to treat damaged connective tissue and/or to slow or stop cardiac apoptosis after a heart attack. The PRP composition may be delivered in conjunction with reperfusion therapy.

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